ORIGINAL

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

In the Matter of:	)	
	)	
Amendment of Section 73.622	)	MM Docket No.
Digital Television	)	RM-
Table of Allotments	)	
(Calumet, Michigan)	)	

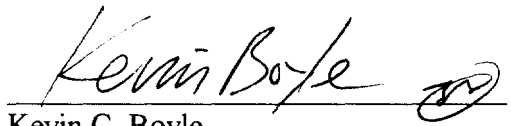
PETITION FOR RULE MAKING

Scanlan Television, Inc. ("Scanlan"), licensee of Station WBKP-TV, Channel 5, Calumet, Michigan, on March 2, 1999, petitioned to amend the Digital Television Table of Allotments, Section 73.622 of the Commission's Rules, to change the channel allotted to Calumet, Michigan from Channel 18 to Channel 39 (the "Previous Petition"). The Previous Petition was coordinated with Canada, which objected to the proposed allotment. Scanlan hereby withdraws the Previous Petition, and petitions the Commission to amend the Digital Television Table of Allotments, Section 73.622 of the Commission's Rules, to change the channel allotted to Calumet, Michigan from Channel 18 to Channel 11.

As is shown in the attached Technical Exhibit (the "Technical Exhibit"), the proposed change complies with the Commission's rules. If the proposed allotment is adopted, Scanlan will prosecute an application for a construction permit to construct a Digital Television facility on Channel 11 to provide service to Calumet and upon the grant of such application, will promptly construct the proposed facility.

Accordingly, Scanlan respectfully requests that the Commission amend the DTV Table of Allotments to change the channel allotted to Calumet, Michigan for WBKP-DT from Channel 18 to Channel 11 at the location set forth in the Technical Exhibit..

Respectfully Submitted,



Kevin C. Boyle
Latham & Watkins
555 Eleventh Street
Suite 1000
Washington, D.C. 20004

Counsel for Scanlan Television, Inc.

May 8, 2001

TECHNICAL EXHIBIT
PREPARED IN SUPPORT OF A
PETITION FOR RULE MAKING TO
MODIFY THE DTV ALLOTMENT TABLE
DTV STATION WBKP-DT
CALUMET, MICHIGAN

Technical Summary

This technical narrative and associated exhibits have been prepared on behalf of Scanlan Television, Inc. in support of a Petition for Rule Making to modify the DTV allotment of station WBKP-DT at Calumet, Michigan, from channel 18 to channel 11.

The Federal Communications Commission (FCC) assigned UHF channel 18 as WBKP-TV's DTV allotment in the Memorandum, Opinion and Order (MO&O) concerning reconsideration of the 6th Report and Order in MM Docket No. 87-268.

The FCC assigned an ERP of 1000 kW-DA at an antenna radiation center height above average terrain (HAAT) of 295 meters. However, station WBKP-DT proposes to use VHF channel 11 for its DTV facility, and also change transmitter site location.

Station WBKP-DT wishes to operate on channel 11 for the following reasons. First, the use of channel 11 would allow for a substantially less transmitter power and smaller antenna to serve approximately the same coverage area as a comparable UHF DTV facility. This would reduce the applicants initial capital investment as well as overhead costs. Thus, the additional resources would be available for investment in DTV programming.

Secondly, the use of channel 11 would make it easier for current WBKP-TV viewers to locate the DTV operation, as normal viewing is on the VHF band.

Finally, by changing channel and transmitter site location, the proposed WBKP-DT operation would nearly replicate the service areas of both WBKP-TV and also WBUP(TV).

Station WBUP(TV) is authorized by a modification of construction permit (BMPCT-20000228AAX) to operate on NTSC channel 10 at Ishpeming, Michigan. However, because it was just recently authorized, it is not eligible for a paired DTV channel. Scanlan Television, Inc. is the licensee of both WBKP-TV and WBUP(TV). Therefore, by modifying the WBKP-DT allotment, Scanlan Television could provide DTV service to both the WBKP-TV and WBUP(TV) service areas (Figure 6).

For the above reasons, the FCC is respectfully requested to change WBKP-TV's DTV allotment from channel 18 to channel 11.

DTV channel 11 can be substituted and allotted to Calumet, Michigan in compliance with the principle community coverage requirements of Section 73.625(a) at reference coordinates Latitude 46°26'17", Longitude 88°02'58". In addition, operation on DTV channel 11 appears possible with an effective radiated power (ERP) of up to 96.2 kW utilizing a Dielectric THA-C3-8/24-1 directional antenna and an antenna height above average terrain (HAAT) of 388 meters. The proposed channel change is acceptable under the 2 percent criterion for *de minimis* impact applicable to DTV allotment modifications under Section 73.623(c)(2).

The proposed facilities (ERP 96.2 kW/HAAT 388 meters) do not exceed the nominal maximum permitted pursuant to Section 73.622(f)(7)(i). Thus, it is proposed to modify the Calumet DTV allotment by specifying a DTV allotment on channel 11 with the following specifications:

State & City	DTV Channel	DTV ERP (kW)	Antenna HAAT (m)
MI, Calumet	11	96.2 (MAX-DA)	388

It is also proposed to amend the DTV Table of Allotments, Section 73.622(b) of the Commission's Rules, as follows:

	Channel No.	
City	Present	Proposed
Calumet, Michigan	18	11

It is proposed to allot DTV channel 11 at Latitude 46°26'17", Longitude 88°02'58". It is proposed to operate with an antenna radiation center height above mean sea level (RCAMSL) of 890 meters, an antenna radiation center height above average terrain of (HAAT) of 388 meters and a directional antenna maximum ERP of 96.2 kW.

Figure 1 is a sketch of antenna showing the location of the proposed WBKP-DT DTV antenna system. The FCC Tower Registration Number for the proposed tower is 1057602. The FCC registration will be revised to reflect the FAA Determination of No Hazard for the proposed structure Aeronautical Study No. 00-AGL-8020-OE.

Figure 2 is a DTV channel 11 separation study toward other U.S. and Canadian NTSC and DTV allotments based on a 50 kilometer "buffer".

Figure 3 shows the horizontal and vertical relative field patterns for the proposed Dielectric THA-C3-8/24-1 directional antenna.

Figure 4 provides a summary of interference and service for the proposed channel 11 allotment. Determination of interference and service was based on the procedures outlined in OET Bulletin No. 69 and criteria contained in

Sections 73.622 and 73.623 of the FCC's rules. [1] It is believed that the proposed channel 11 operation is in full compliance with the FCC's 2%/10% interference criteria.

Figure 5 is a map which depicts the 36 dBu and 43 dBu, noise limited contours for the proposed channel 11 DTV operation. As shown, all of Calumet is located within the 43 dBu contour. Therefore, the proposed channel 11 DTV allotment will comply with the city coverage requirements contained in Section 73.625(a).

Studies indicate the proposed DTV channel 11 operation will not adversely impact any co-channel or pertinent adjacent channel Class A LPTV stations.

Figure 6 is a map which depicts the noise limited and Grade B contours for the proposed WBKP-DT facility, the WBKP-TV licensed NTSC facility, and the licensed WBUP(TV) NTSC facility. As shown, the proposed WBKP-DT will nearly encompass the NTSC service areas of both WBKP-TV and WBUP(TV).

US-Canadian TV Agreement Compliance

The proposed channel 11 operation will be located 157 kilometers from the closest point of the US-Canadian common border. Therefore, consideration must be given to the existing US-Canadian TV Agreement (1994) and Letter of Understanding (LOU) between the FCC and Industry Canada related to DTV service along the common border (September 12, 2000). Pursuant to the existing Agreement and LOU, DTV stations will be referred if the pertinent interfering contour would fall within the territory of the other

[1] The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 1 km was employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

country. The pertinent interfering contour applicable towards co-channel NTSC stations is the 22.2 dBu, F(50,10) contour. The pertinent interfering contour applicable towards co-channel DTV operations is the 13.5 dBu, F(10,10) contour. It was determined that both contours do overlap Canadian land area, and therefore it is believed necessary to refer the proposal to Canada.

As shown in the allocation study of Figure 2 the proposed WBKP-DT site is short-spaced with respect to Canadian station CBLAT-4 on NTSC channel 11 at Marathon, Ontario and also with respect to Canadian DTV station CHBX-TV on channel 11 at Sault Ste Marie, Ontario. However, interference studies were prepared with respect to each station based on the Longley-Rice propagation model and procedures contained in the Letter of Understanding. Based on our studies it is believed the proposed WBKP-DT operation would not cause any interference to any persons within the CBLAT-4 service area. With respect to CHBX-TV, the proposed WBKP-DT operation is predicted to cause interference to 633 persons (0.7% of the CHBX-TV service population) within the CHBX-TV service area. Since no persons within the CBLAT-4 service area are predicted to receive interference, and the predicted interference toward CHBX-TV is less than 2%, it is respectfully requested that the proposal be given consideration based on use of the Longley-Rice propagation model.

Figure 7 is map showing cells of interference which station CHBX-TV is predicted to receive from the proposed WBKP-DT operation. It is noted that only those cells which have population associated with it are shown. Also shown on Figure 7 are the predicted 56 dBu F(50,50) contour for station CBLAT-4 and the 33 dBu F(90,90) contour for station CHBX-TV.

Conclusion

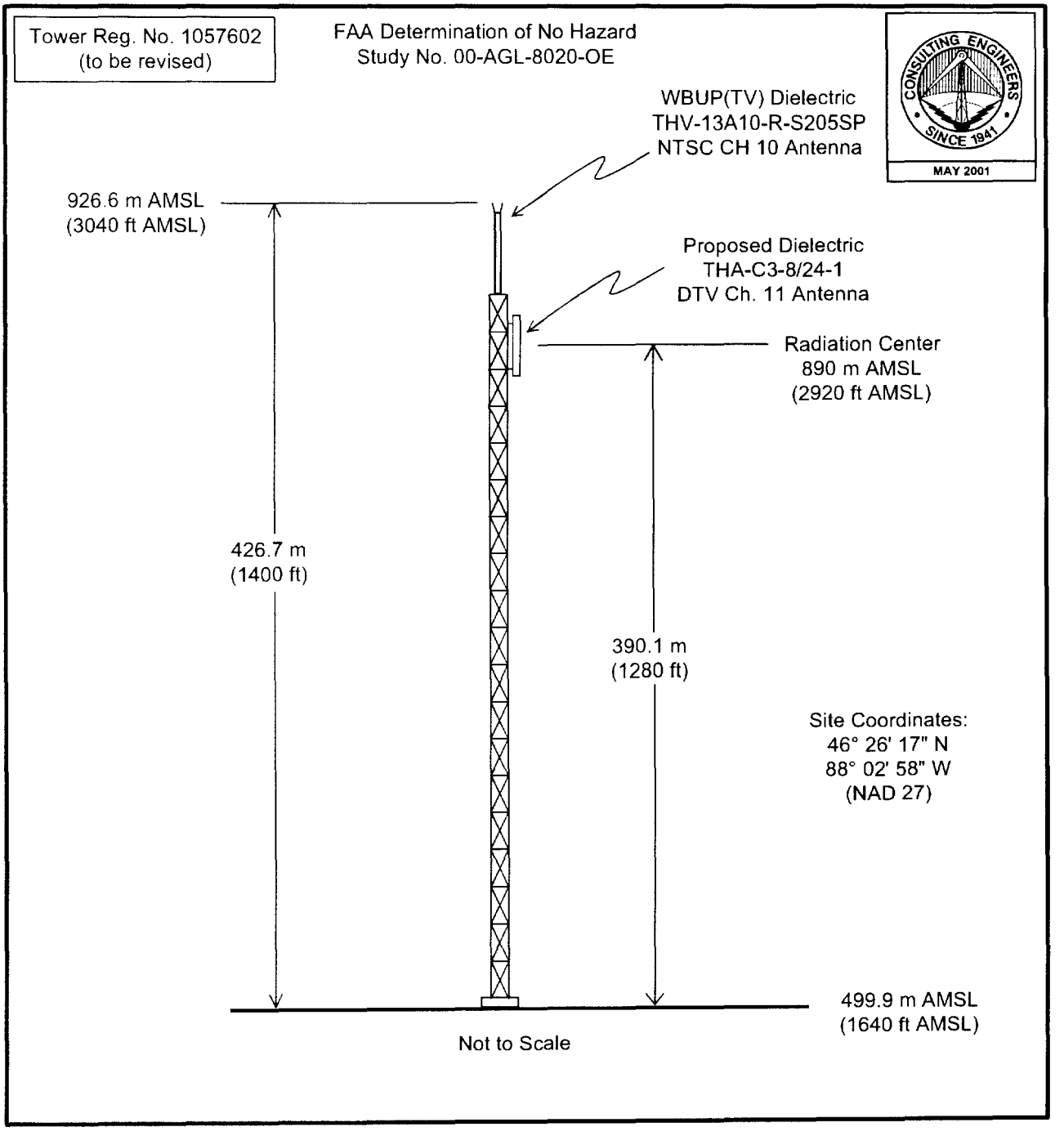
VHF DTV channel 11 can be substituted for the current DTV channel 18 allotment at Calumet, Michigan in compliance with the FCC's rules concerning DTV allotment changes.

Jerome J. Manarchuck

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
(941) 329-6000
JERRY@DLR.COM

May 3, 2001

Figure 1



PROPOSED ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WBKP-DT
CALUMET, MICHIGAN
CH 11 96.2 KW (MAX-DA) 388 M

du Treil, Lundin & Rackley, Inc., Sarasota, Florida

Figure 2

DTV - TV Separation Study

Job Title :WBKP-DT CH 11 — Separation Buffer 50 km
Zone : 2 — FCC TV DB Date : 04/27/01
Channel 11 (198-204 MHz) — Coordinates : 46-26-17 88-02-58

Call Status	City St FCC File No.	Channel Zone	ERP(kW) HAAT(m)		Latitude Longitude	Bear. True	Dist. (km)	Req. (km)
WBUP	ISHPEMING	10(-)	316	DA	46-26-17	0.0	0.00	11.0/125
APP	MI BMPCT -20010214	II	425		88-02-58		11.00	CLOSE
WBUP	ISHPEMING	10(-)	316	DA	46-26-21	332.6	0.15	11.0/125
CP MOD	MI BMPCT -20000228	II	412		88-03-01		10.85	CLOSE
WLUK-T	GREEN BAY	11(+)	316		44-24-31	178.8	225.61	273.6
LIC	WI BLCT -1148	II	384		87-59-29		-47.99	SHORT[1]
CBLAT4	MARATHON	11(-)	18.7		48-45-13	22.6	280.0	283.0
LIC	ON -	II	284		86-35-08		-3.00	SHORT[2]
WJFW-T	RHINELANDER	12(+)	316		45-40-02	226.6	124.00	11.0/125
LIC	WI BLCT -1907	II	506		89-12-27		-1.00	SHORT[1]

DTV - DTV Separation Study

Job Title :WBKP-DT CH 11 — Separation Buffer 50 km
Zone : 2
Channel 11 (198-204 MHz) — Coordinates: 46-26-17 88-02-58

Call Status	City St FCC File No.	Channel Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear. True	Dist. (km)	Req. (km)
CHBX-TV	SAULT STE MARIE	11	14.0	46-35-40	85.1	284.40	328.0
	ON -	II	284	84-21-00		-43.60	SHORT[2]

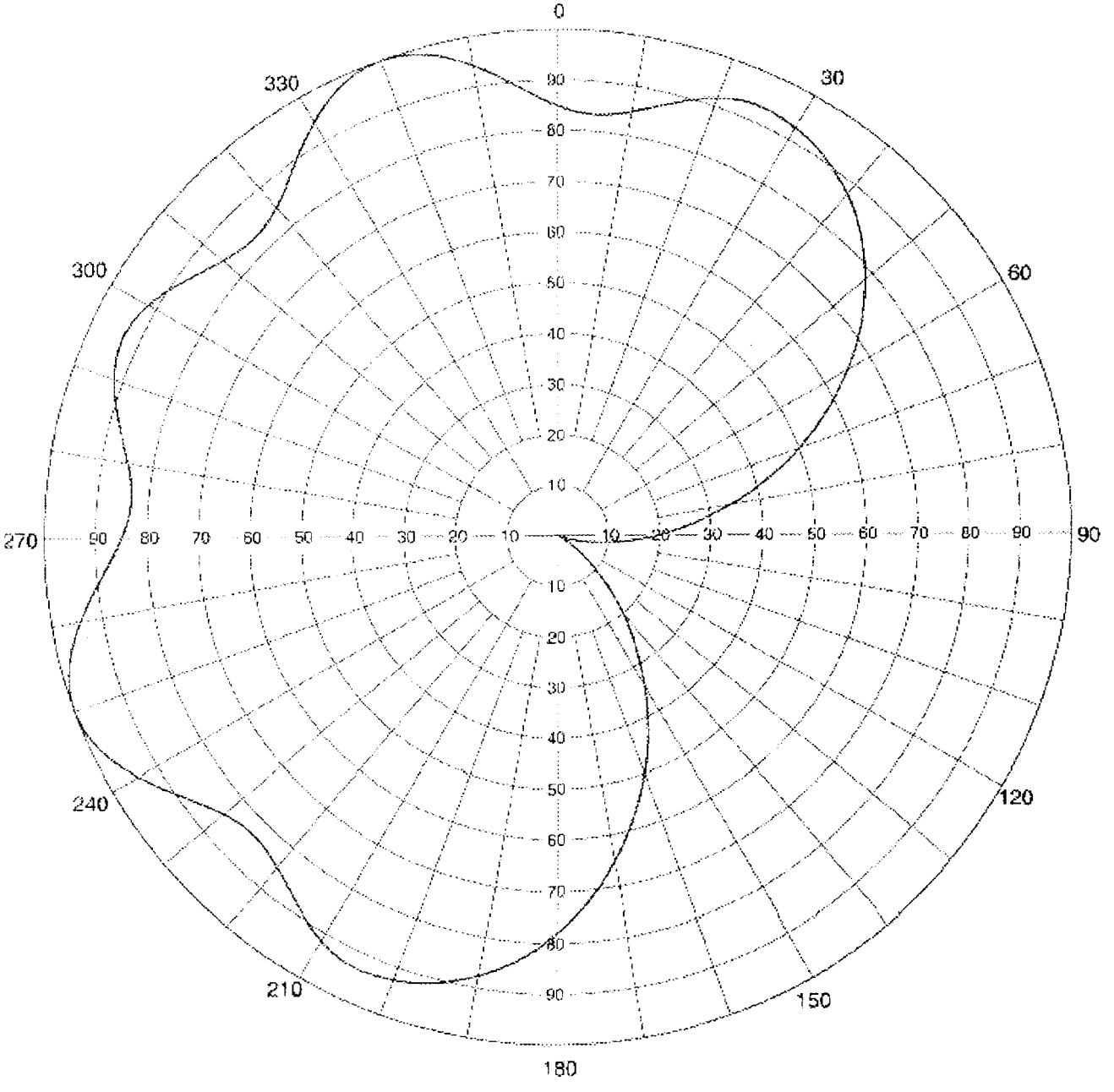
[1] Protection provided using OET-69 methods, see Figure 4.
[2] Proetction provided using U.S./Canada LOU, See Figures 4 & 7.

Dielectric

Date	**03 May 2001**		
Call Letters	**WBKP-DT**	Channel	**11**
Location	**Calumet, MI**		
Customer			
Antenna Type	**THA-C3-8/24-1**		

AZIMUTH PATTERN

RMS Gain at Main Lobe	**1.70 (2.30 dB)**	Frequency	**201 MHz**
Calculated / Measured	**Calculated**	Drawing #	**THA-C3**



Remarks:

Dielectric

Date 03 May 2001
Call Letters WBKP-DT Channel 11
Location Calumet, MI
Customer
Antenna Type THA-C3-8/24-1

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # THA-C3

Angle	Field	ERP (kW)	ERP (dBk)
0	0.849	69.2	18.40
10	0.849	69.2	18.40
20	0.917	80.7	19.07
30	0.927	82.5	19.16
40	0.877	73.8	18.68
50	0.782	58.7	17.69
60	0.652	40.8	16.11
70	0.500	24.0	13.80
80	0.343	11.3	10.53
90	0.198	3.8	5.76
100	0.082	0.6	-1.90
110	0.012	0.0	-18.59
120	0.012	0.0	-18.59
130	0.082	0.6	-1.90
140	0.198	3.8	5.76
150	0.343	11.3	10.53
160	0.500	24.0	13.80
170	0.652	40.8	16.11
180	0.782	58.7	17.69
190	0.877	73.8	18.68
200	0.927	82.5	19.16
210	0.917	80.7	19.07
220	0.849	69.2	18.40
230	0.849	69.2	18.40
240	0.943	85.4	19.31
250	1.000	96.0	19.82
260	0.943	85.4	19.31
270	0.849	69.2	18.40
280	0.849	69.2	18.40
290	0.917	80.7	19.07
300	0.917	80.7	19.07
310	0.849	69.2	18.40
320	0.849	69.2	18.40
330	0.943	85.4	19.31
340	1.000	96.0	19.82
350	0.943	85.4	19.31

Maxima

Angle	Field	ERP (kW)	ERP (dBk)
25	0.933	83.6	19.22
205	0.933	83.6	19.22
250	1.000	96.0	19.82
295	0.933	83.6	19.22
340	1.000	96.0	19.82

Minima

Angle	Field	ERP (kW)	ERP (dBk)
5	0.833	66.6	18.24
115	0.000	0.0	0.00
225	0.833	66.6	18.24
275	0.833	66.6	18.24
315	0.833	66.6	18.24

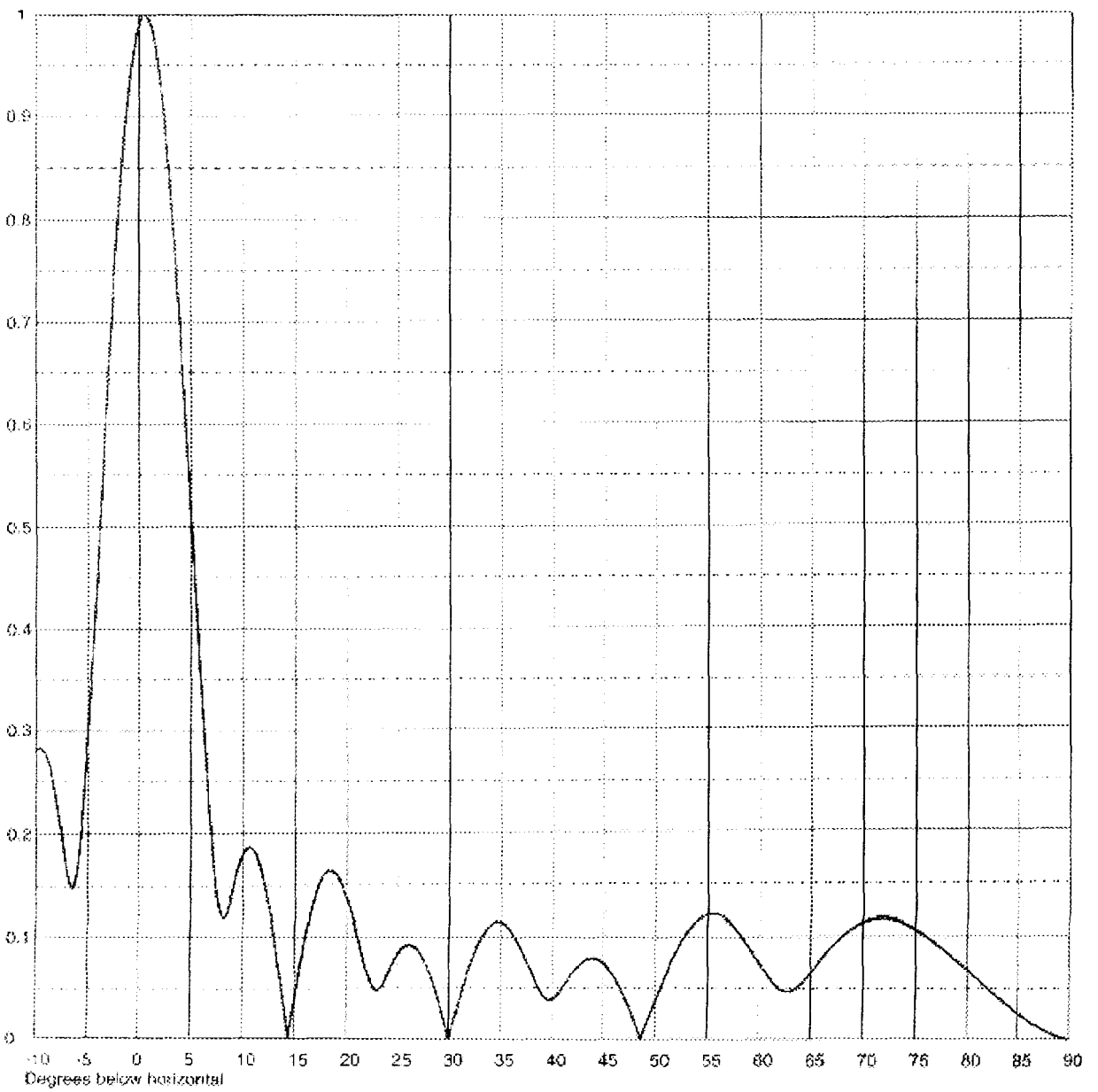
Remarks:

Dielectric

Date	03 May 2001		
Call Letters	WBKP-DT	Channel	11
Location	Calumet, MI		
Customer			
Antenna Type	THA-C3-8/24-1		

ELEVATION PATTERN

RMS Gain at Main Lobe	8.0 (9.03 dB)	Beam Tilt	0.60 Degrees
RMS Gain at Horizontal	7.8 (8.92 dB)	Frequency	201.00 MHz
Calculated / Measured	Calculated	Drawing #	08H080060-90



Remarks:

Dielectric

Date 03 May 2001
Call Letters WBKP-DT Channel 11
Location Calumet, MI
Customer
Antenna Type THA-C3-8/24-1

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # 08H080060-90

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
10.0	0.280	2.4	0.903	10.6	0.187	30.5	0.019	51.0	0.064	71.5	0.117
-9.5	0.281	2.6	0.882	10.8	0.186	31.0	0.037	51.5	0.076	72.0	0.117
-9.0	0.273	2.8	0.858	11.0	0.184	31.5	0.055	52.0	0.086	72.5	0.116
-8.5	0.255	3.0	0.833	11.5	0.174	32.0	0.071	52.5	0.096	73.0	0.115
-8.0	0.228	3.2	0.806	12.0	0.156	32.5	0.085	53.0	0.104	73.5	0.114
-7.5	0.195	3.4	0.778	12.5	0.132	33.0	0.096	53.5	0.110	74.0	0.112
-7.0	0.164	3.6	0.748	13.0	0.102	33.5	0.105	54.0	0.115	74.5	0.110
-6.5	0.148	3.8	0.717	13.5	0.069	34.0	0.111	54.5	0.119	75.0	0.107
-6.0	0.167	4.0	0.685	14.0	0.034	34.5	0.114	55.0	0.121	75.5	0.104
-5.5	0.220	4.2	0.652	14.5	0.002	35.0	0.114	55.5	0.121	76.0	0.101
-5.0	0.293	4.4	0.619	15.0	0.036	35.5	0.111	56.0	0.120	76.5	0.097
-4.5	0.378	4.6	0.584	15.5	0.068	36.0	0.105	56.5	0.118	77.0	0.093
-4.0	0.467	4.8	0.550	16.0	0.097	36.5	0.098	57.0	0.114	77.5	0.089
-3.5	0.558	5.0	0.515	16.5	0.122	37.0	0.088	57.5	0.110	78.0	0.085
-3.0	0.646	5.2	0.480	17.0	0.141	37.5	0.077	58.0	0.104	78.5	0.081
-2.8	0.680	5.4	0.445	17.5	0.154	38.0	0.065	58.5	0.097	79.0	0.077
-2.6	0.713	5.6	0.410	18.0	0.162	38.5	0.054	59.0	0.090	79.5	0.072
-2.4	0.745	5.8	0.376	18.5	0.164	39.0	0.045	59.5	0.083	80.0	0.068
-2.2	0.775	6.0	0.343	19.0	0.160	39.5	0.039	60.0	0.075	80.5	0.063
-2.0	0.804	6.2	0.310	19.5	0.152	40.0	0.039	60.5	0.067	81.0	0.059
-1.8	0.832	6.4	0.279	20.0	0.138	40.5	0.044	61.0	0.060	81.5	0.054
-1.6	0.857	6.6	0.249	20.5	0.122	41.0	0.051	61.5	0.054	82.0	0.050
-1.4	0.881	6.8	0.221	21.0	0.103	41.5	0.059	62.0	0.049	82.5	0.045
-1.2	0.903	7.0	0.195	21.5	0.084	42.0	0.066	62.5	0.047	83.0	0.041
-1.0	0.923	7.2	0.172	22.0	0.066	42.5	0.072	63.0	0.047	83.5	0.037
-0.8	0.941	7.4	0.153	22.5	0.053	43.0	0.077	63.5	0.050	84.0	0.033
-0.6	0.956	7.6	0.137	23.0	0.048	43.5	0.079	64.0	0.054	84.5	0.029
-0.4	0.970	7.8	0.126	23.5	0.053	44.0	0.080	64.5	0.059	85.0	0.025
-0.2	0.981	8.0	0.120	24.0	0.064	44.5	0.078	65.0	0.065	85.5	0.022
0.0	0.989	8.2	0.119	24.5	0.074	45.0	0.074	65.5	0.072	86.0	0.018
0.2	0.995	8.4	0.122	25.0	0.084	45.5	0.068	66.0	0.078	86.5	0.015
0.4	0.999	8.6	0.128	25.5	0.090	46.0	0.060	66.5	0.084	87.0	0.012
0.6	1.000	8.8	0.135	26.0	0.092	46.5	0.051	67.0	0.090	87.5	0.009
0.8	0.999	9.0	0.144	26.5	0.091	47.0	0.040	67.5	0.095	88.0	0.006
1.0	0.995	9.2	0.153	27.0	0.087	47.5	0.029	68.0	0.100	88.5	0.004
1.2	0.989	9.4	0.161	27.5	0.078	48.0	0.016	68.5	0.104	89.0	0.002
1.4	0.980	9.6	0.168	28.0	0.067	48.5	0.002	69.0	0.108	89.5	0.001
1.6	0.969	9.8	0.174	28.5	0.053	49.0	0.011	69.5	0.111	90.0	0.000
1.8	0.956	10.0	0.179	29.0	0.037	49.5	0.025	70.0	0.113		
2.0	0.941	10.2	0.183	29.5	0.019	50.0	0.039	70.5	0.115		
2.2	0.923	10.4	0.186	30.0	0.000	50.5	0.052	71.0	0.116		

Remarks:

Figure 4

TECHNICAL EXHIBIT
PREPARED IN SUPPORT OF
PETITION FOR RULE MAKING TO
MODIFY THE DTV ALLOTMENT TABLE
CALUMET, MICHIGAN

Interference and Service Summary

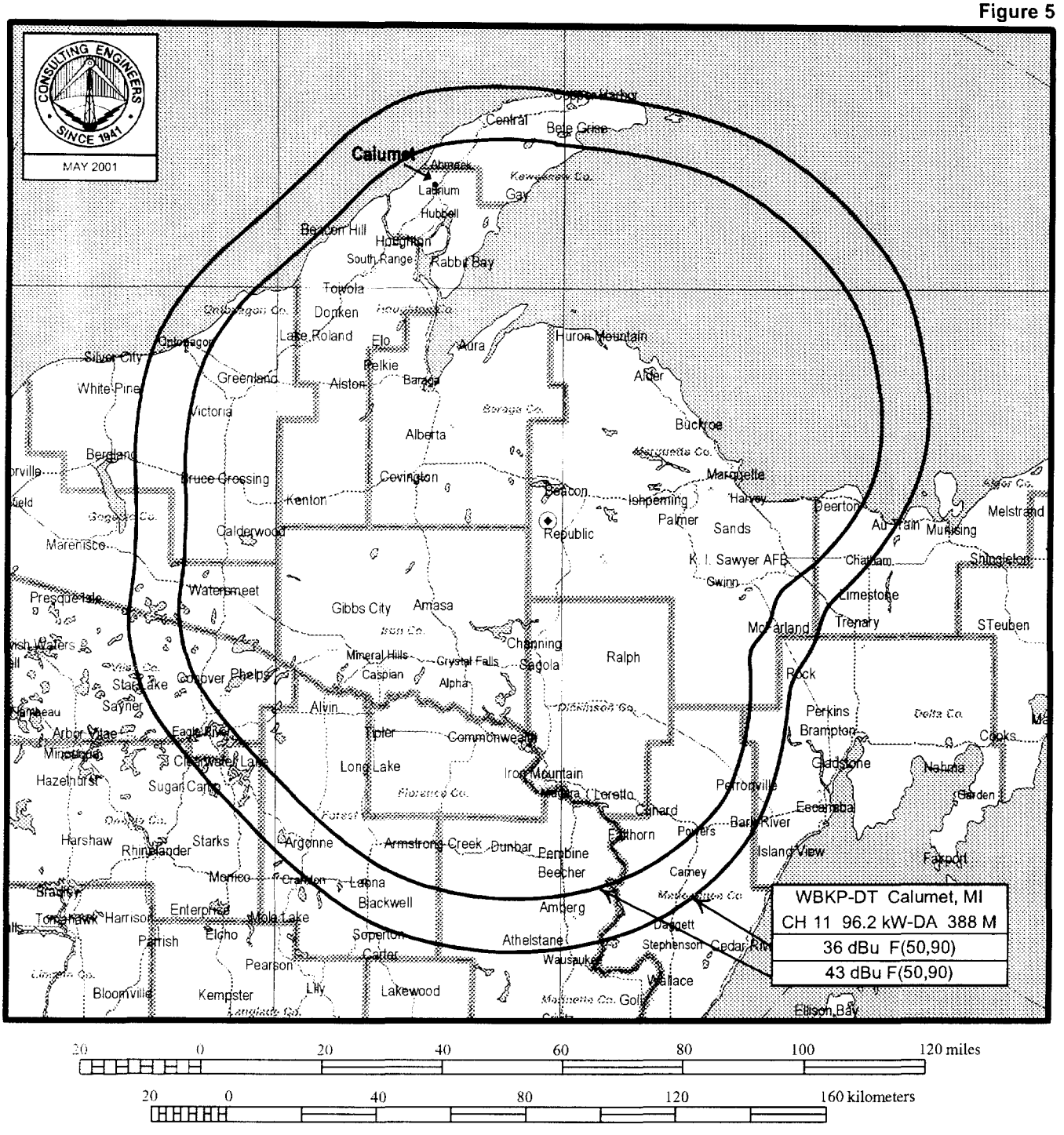
I. Interference Caused

Protected Station	FCC Service Population	Unique Interference Population
WLUK-TV, NTSC Ch. 11 Green Bay, WI	1,009,455	17,829 (1.77%)
WMSN-DT (CP) Ch. 11 Madison, WI	832,000	173 (0.02%)
CBLAT4, NTSC Ch. 11 Marathon, ON	12,835	0 (0.00%)
CHBX-TV, DTV Ch. 11 Sault Ste Marie, ON	96,259	633 (0.70%)
WJFW-TV, Ch. 12 Rhinelander, WI	354,457	514 (0.15%)

II. Service

	Population within
Within Noise-Limited Contour	199,226
Not Affected by Terrain Losses	194,771
Lost to NTSC Interference	11,732
Lost to DTV Interference	20
Total Service	183,019

Figure 5



PREDICTED COVERAGE CONTOURS

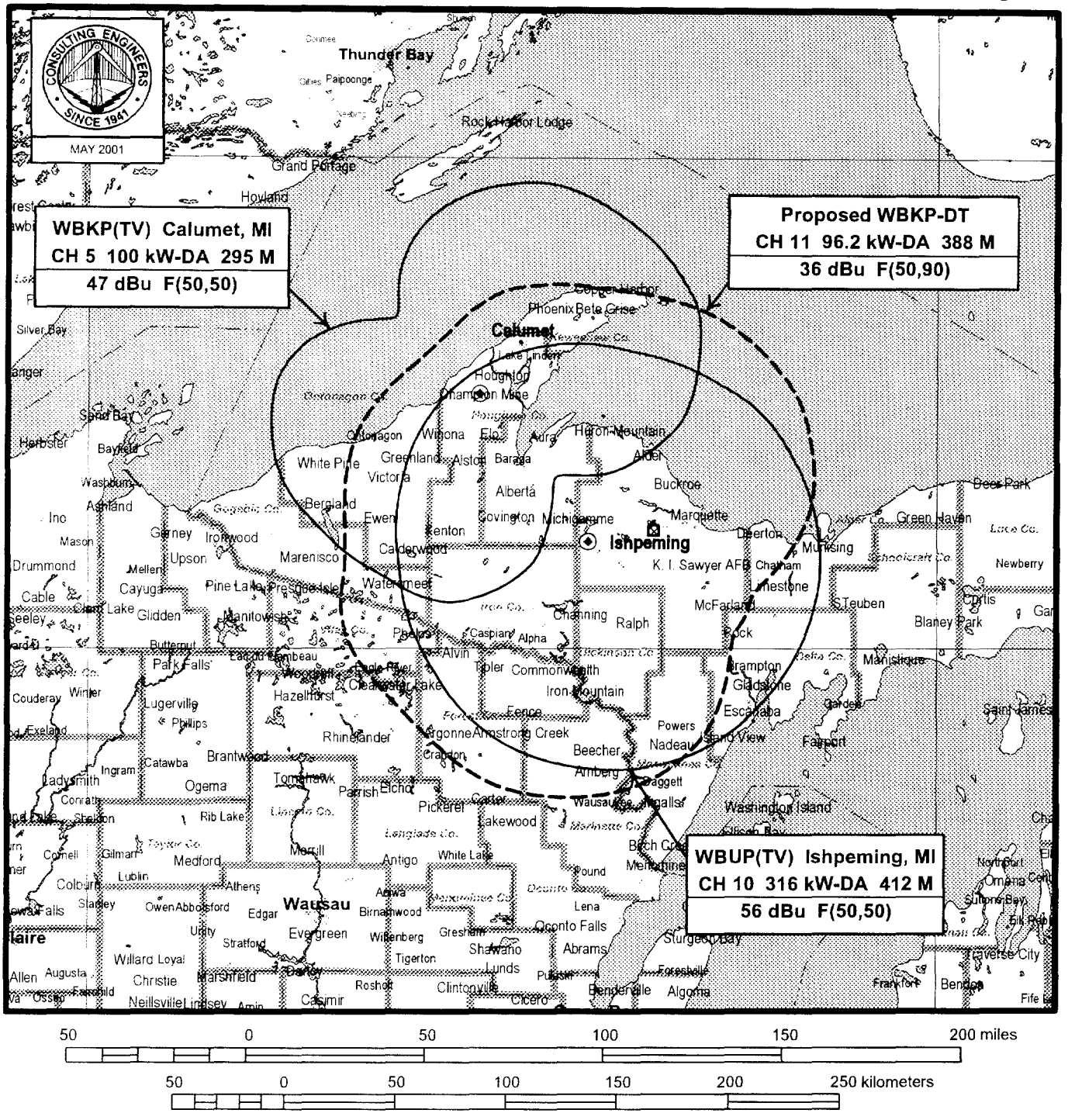
STATION WBKP-DT

CALUMET, MICHIGAN

CH 11 96.2 KW-DA 388 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 6



PREDICTED COVERAGE CONTOURS

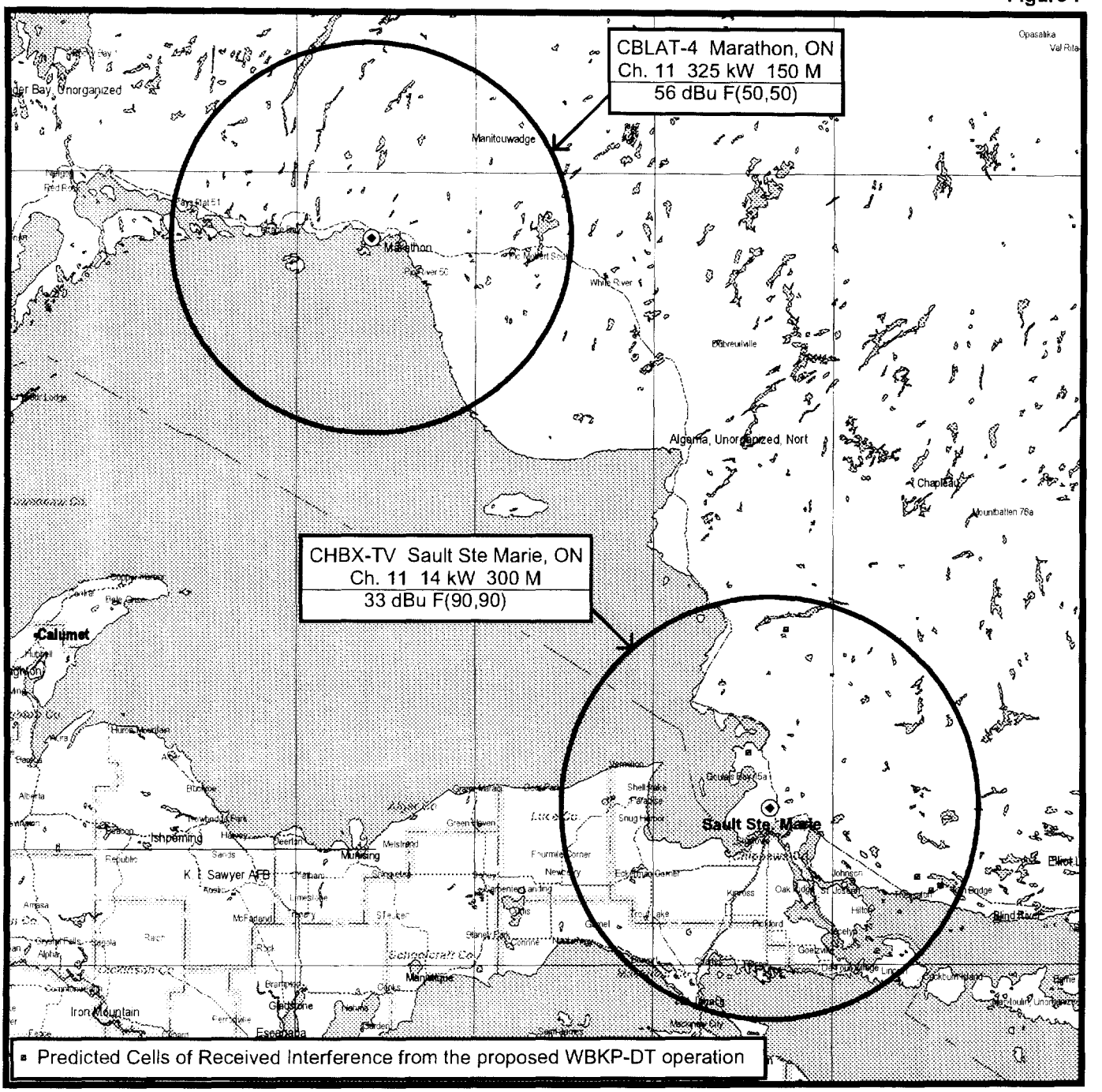
STATION WBKP-DT

CALUMET, MICHIGAN

CH 11 96.2 KW-DA 388 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 7



50 0 50 100 150

Kilometers

PREDICTED POINTS OF INTERFERENCE

STATION WBKP-DT
CALUMET, MICHIGAN
CH 11 96.2 KW-DA 388 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida